

National Type Evaluation Program
Certificate of Conformance
for Weighing and Measuring Devices

For:

Retail Motor Fuel Dispenser
Digital Electromechanical
Model: MPD-1
Capacity: \$999.99 Total Price
99.999 Volume Units
\$ 9.999 Unit Price

Submitted by:

Marconi Commerce Systems Inc.
(formerly Gilbarco Inc.)
7300 W. Friendly Ave.
Greensboro, NC 27420
Tel: (336) 547-5375
Fax: (336) 547-5516
Contact: Gordon Johnson

Standard Features and Options

Nozzles lane-oriented and high hose attachment
Stand-alone or console-controlled; battery back-up up to 72 hours
Mechanical totalizer value up to 99 999.99 volume units

Option: Customer-select cash/credit and fill-up or whole dollar presets

Optional Models: RANXXX0X (re-manufactured device) RAFXXX0X (re-manufactured device)
RARXXX0X (re-manufactured device) RAGXXX0X (re-manufactured device)

Model Designations: The Marconi Commerce Systems Inc. model designation consists of a variety of entries based on the dispenser configuration. The generic model number is XX XXX0X. The model number may consist of combinations of the parameters listed below.

XX Product	X Type of Unit	X Classification	X Special Features	0 Display	X Major Revision
AN: Standard dispenser	1: 6 hoses, 3 products	1: Readout (2-wire)	1: Full vapor recovery-equipped	0: Five digit display	A: Modular electronics
AF: Fixed blender dispenser	2: 3 hoses, 3 products	2: Preset (2-wire)	2: Vapor recovery only		No A: Premodular electronics
AR: Low profile dispenser	4: 4 hoses, 4 products		3: Vapor recovery boot and plumbing		
AG: Low profile fixed blender dispenser	8: 8 hoses, 4 products				

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of Handbook 44, "Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: December 1, 1999

Gilbert M. Ugiansky, Ph.D.
Chief, Office of Weights and Measures
Issue Date: March 23, 2000

Note: The National Institute of Standards and Technology does not "approve," "recommend," or "endorse" any proprietary product or material, either as a single item or as a class or group. Results shall not be used in advertising or sales promotion to indicate explicit or implicit endorsement of the product by the Institute. (See NTEP Policy and Procedures.)

Marconi Commerce Systems Inc.
Retail Motor Fuel Dispenser
Model: MPD-1

Application: Retail motor service stations.

Identification: The identification badge is located on the inside panel of the column above the electronics for the dispenser. The model number may be one of the following combinations based on the configuration of the equipment.

Sealing: The pin for the meter calibrator may be sealed with a lead and wire security seal.

Test Conditions: This Certificate is issued based upon information provided by the manufacturer to change the name of the company from the previous name, Gilbarco Inc., and to transfer ownership of the device covered under Certificate of Conformance Number 89-019A1 to Marconi Commerce Systems Inc. This Certificate is also issued to include the optional Models RANXXX0X, RAFXXX0X, RARXXX0X and RAGXXX0X (re-manufactured devices) that was originally covered under the multi-Certificate of Conformance Number 92-197A1. All institutional knowledge of the previous owner has been transferred to the new company. Test conditions for Certificate of Conformance Numbers 89-019A1 and 92-197A1 and the preceding Certificates are listed below for reference.

Certificate of Conformance Number 89-019A1: This Certificate was issued to consolidate, supersede, and replace Certificates of Conformance Numbers 89-019 and 88-128. This Certificate was issued based on testing performed in conjunction with Certificate of Conformance Number 88-128 and information provided by the manufacturer.

Certificate of Conformance Number 89-019: This Certificate was issued to reflect the addition of a low profile fixed blender dispenser (indicated by the suffix "AG" in code positions 1 and 2) to the product line. The low profile fixed blender is both physically and hydraulically identical to the standard fixed blender (suffix "AF" in positions 1 and 2), except that the computer display module and nozzle boots are located six inches lower.

To collect data for Certificate of Conformance Number 88-128, the operation of the MPD-1 was evaluated with the dispenser mounted in a test stand. An MPD-1 dispenser was installed in a service station where it was initially tested and then 20 to 30 days later. The octane level of blended products was not tested.

Certificate of Conformance Number 92-197A1: This Certificate superseded Certificate of Conformance Number 92-197 and was issued to change capacities to cover either 5 or 6 digits for price and volume.

Certificate of Conformance Number 92-197: This Certificate was issued to list Gilbarco retail motor fuel dispensers which are remanufactured within company-owned facilities. This Certificate was in addition to the original Certificates of Conformance. The manufacturer certifies that rebuilt equipment is cleaned, inspected, refurbished and tested, and any component or part such as meters (replacement meters are new), pulsers, displays, etc., not meeting specifications is rejected and replaced. Operation and performance are not altered.

The results of the evaluations indicate the device complies with applicable requirements of NIST Handbook 44

Type Evaluation Criteria Used: NIST Handbook 44, 1999 Edition

Tested By: Ray Malloy (CA), Mickey Schleicher (CA), Henry Oppermann (NIST) 89-019; W. Thomas Michel (CA) 89-019A1

Information Reviewed By: R. Whipple (NIST) 92-197; R. Suiter (NIST) and G. Newrock (NIST) 92-197A1; L. Sebring (NIST) and G. Newrock (NIST) 99-168